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FIG. 1A
GAP FORMATION

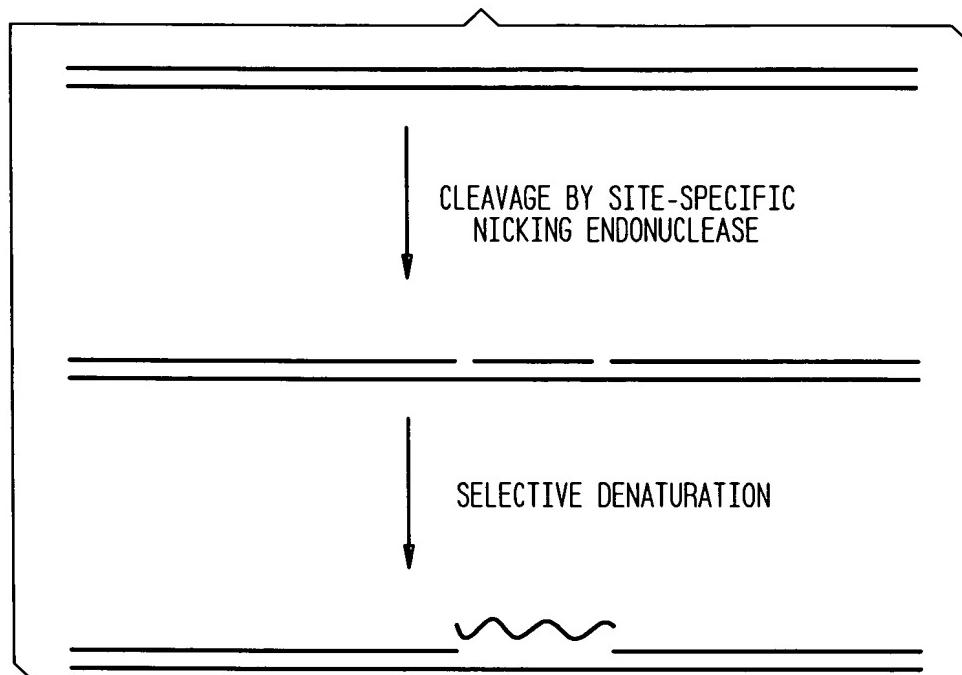


FIG. 1B
COHESIVE TERMINI FORMATION

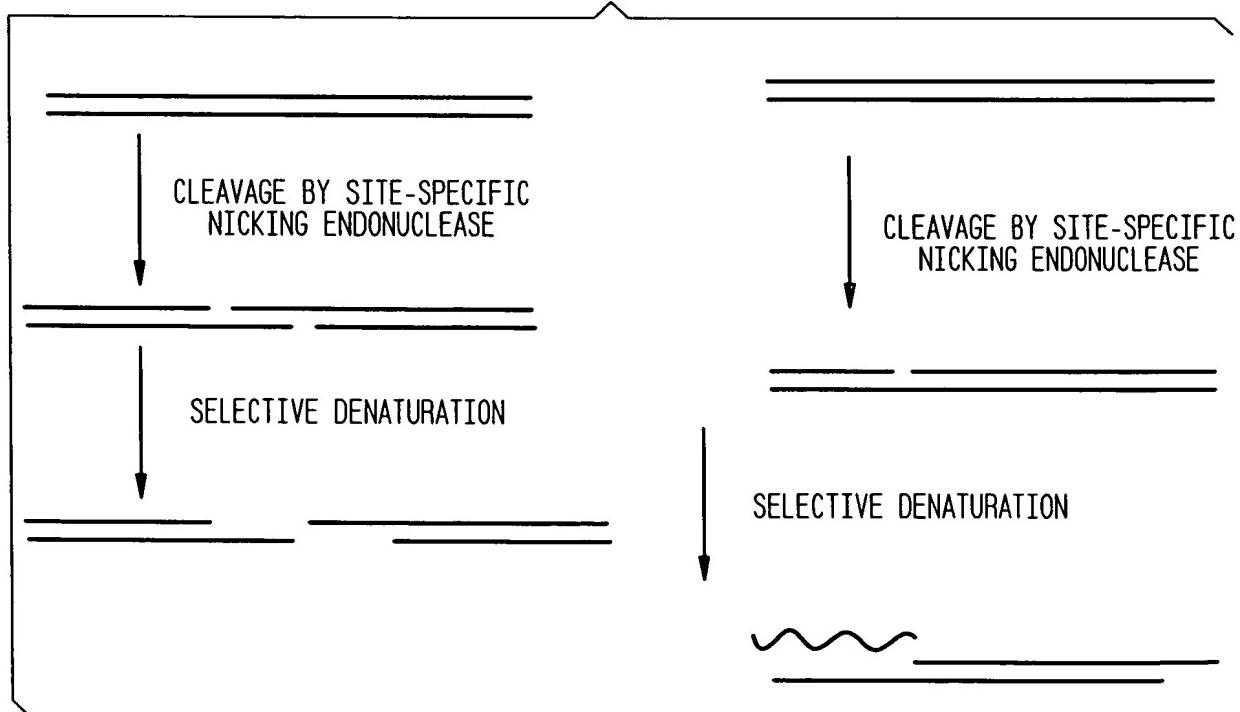
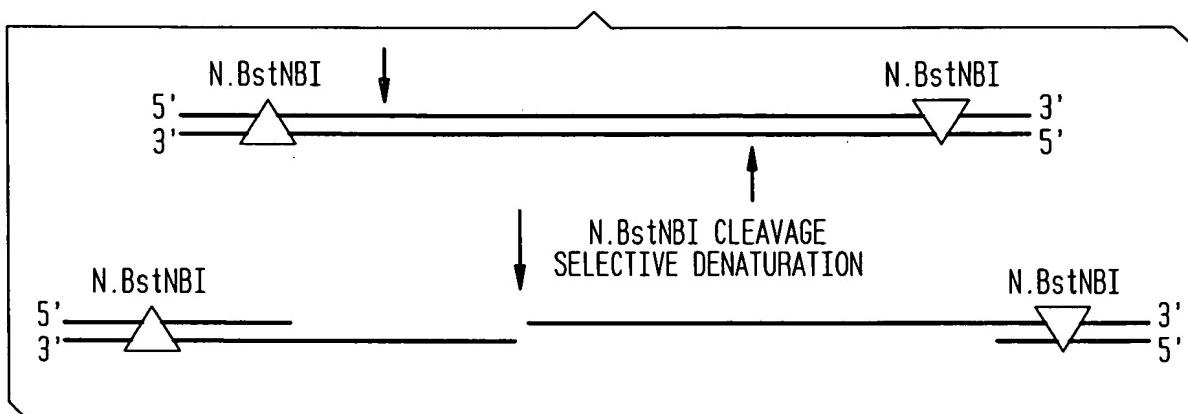
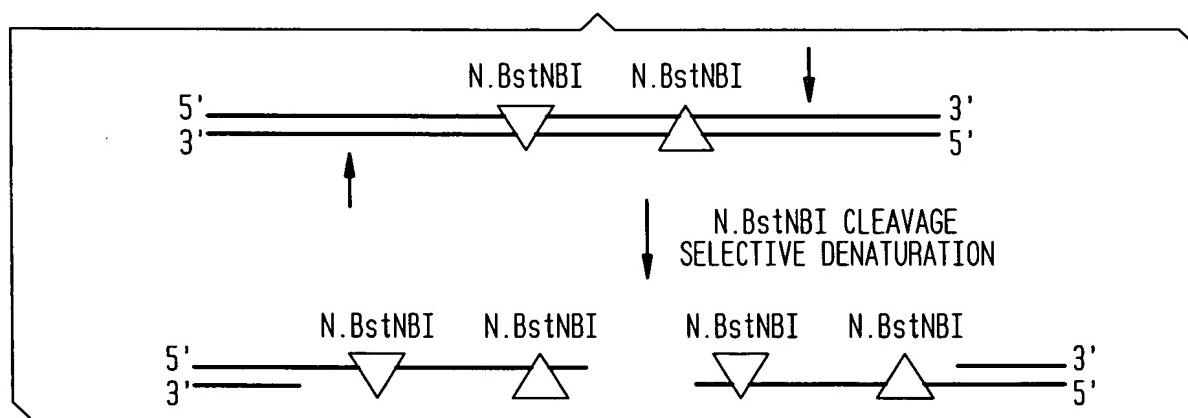


FIG. 2A

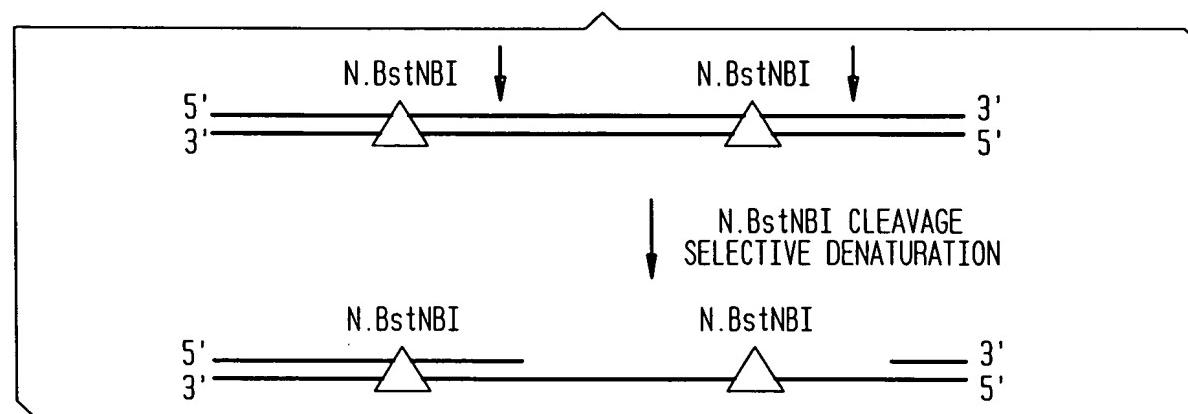
CREATION OF 5' COHESIVE ENDS

**FIG. 2B**

CREATION OF 3' COHESIVE ENDS

**FIG. 2C**

GAP CREATION



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FIG. 3A
DETECTION

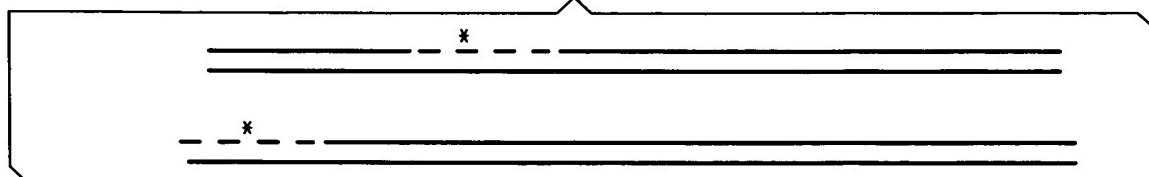


FIG. 3B
ASSEMBLY

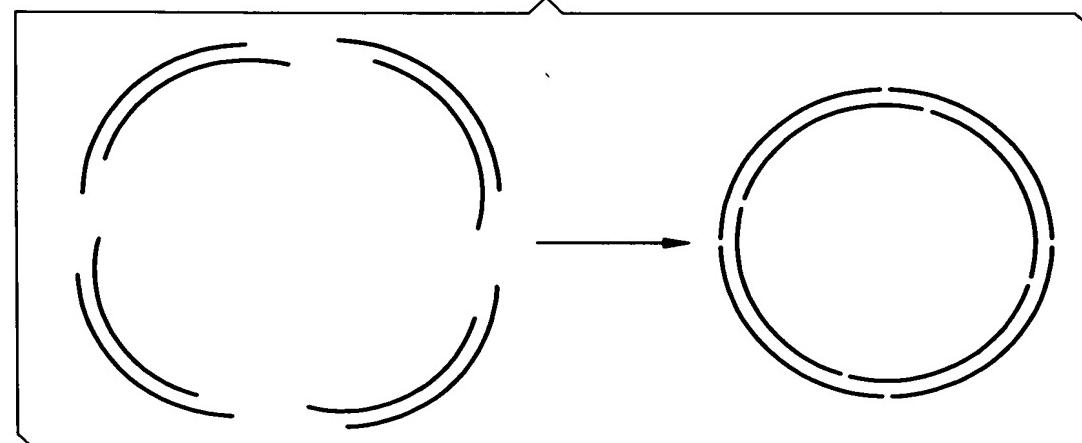


FIG. 3C
BRANCHED STRUCTURES

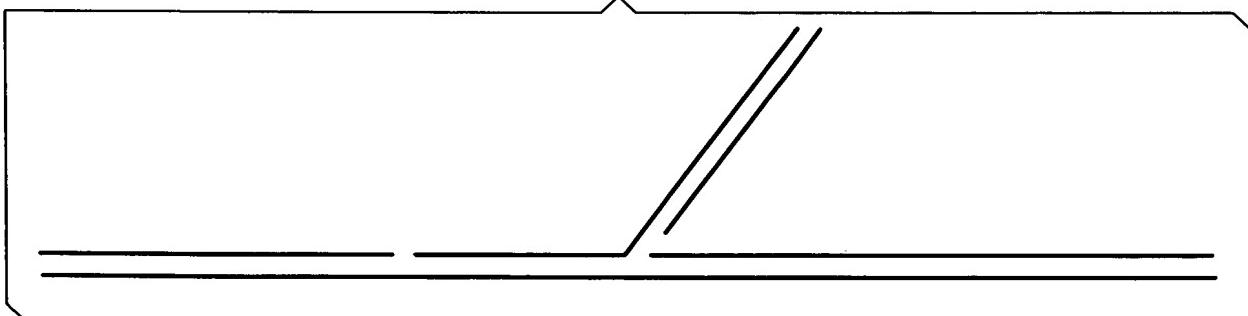


FIG. 3D
PURIFICATION

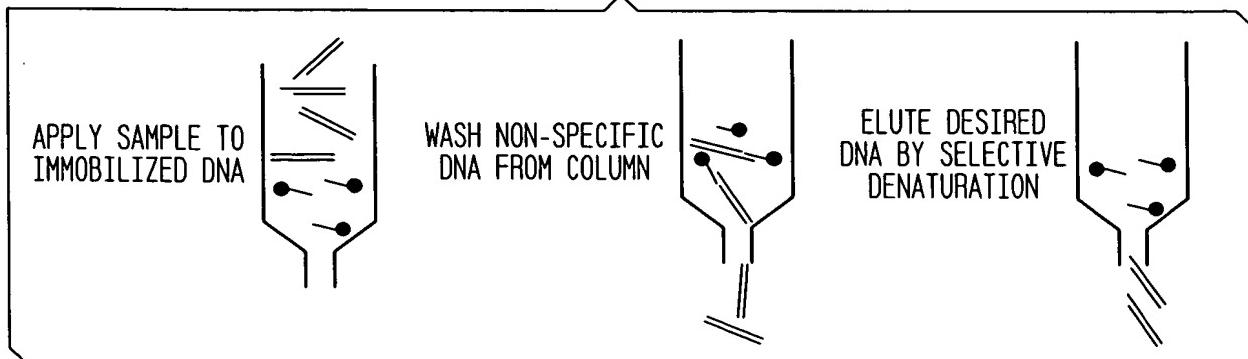
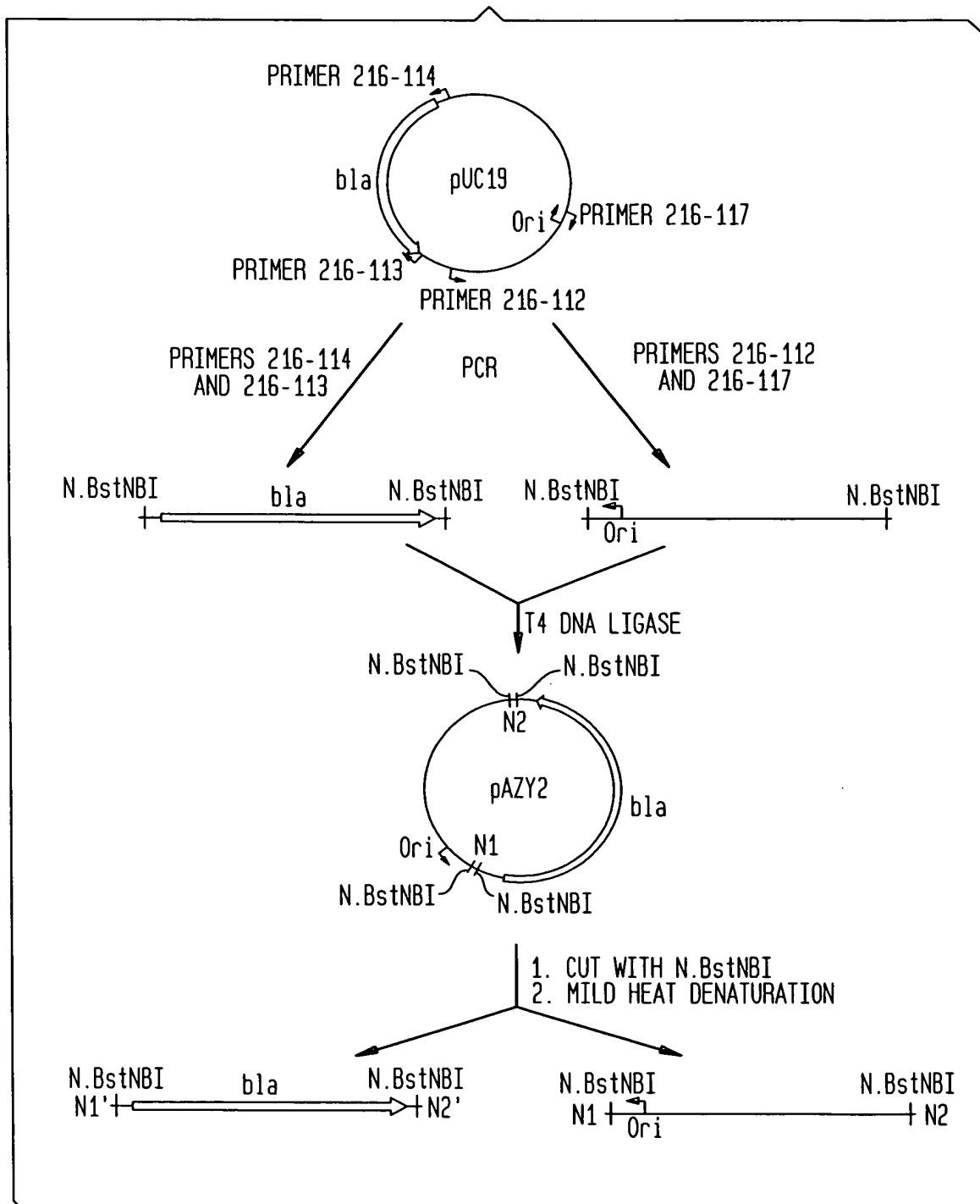
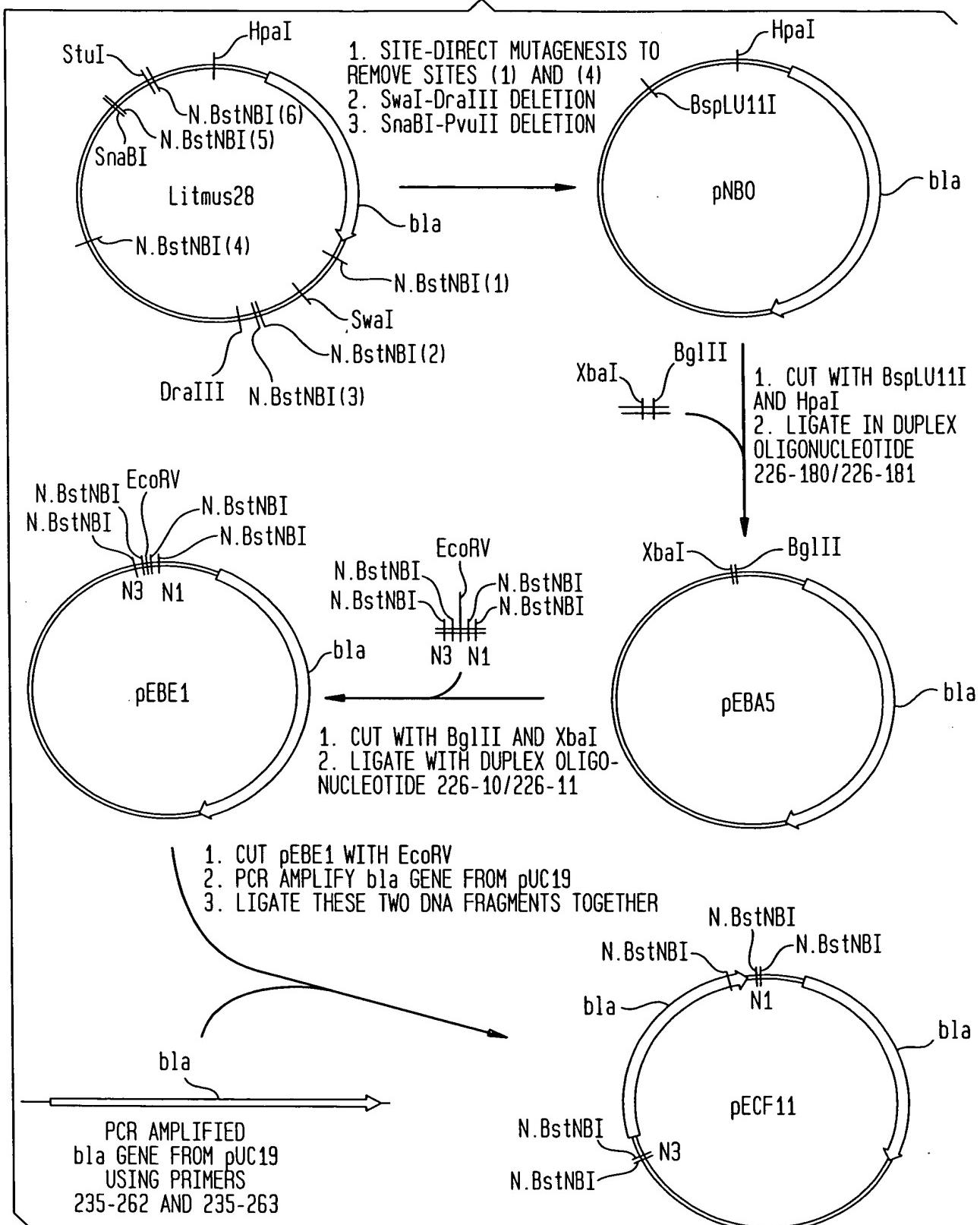


FIG. 4



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FIG. 5



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FIG. 6

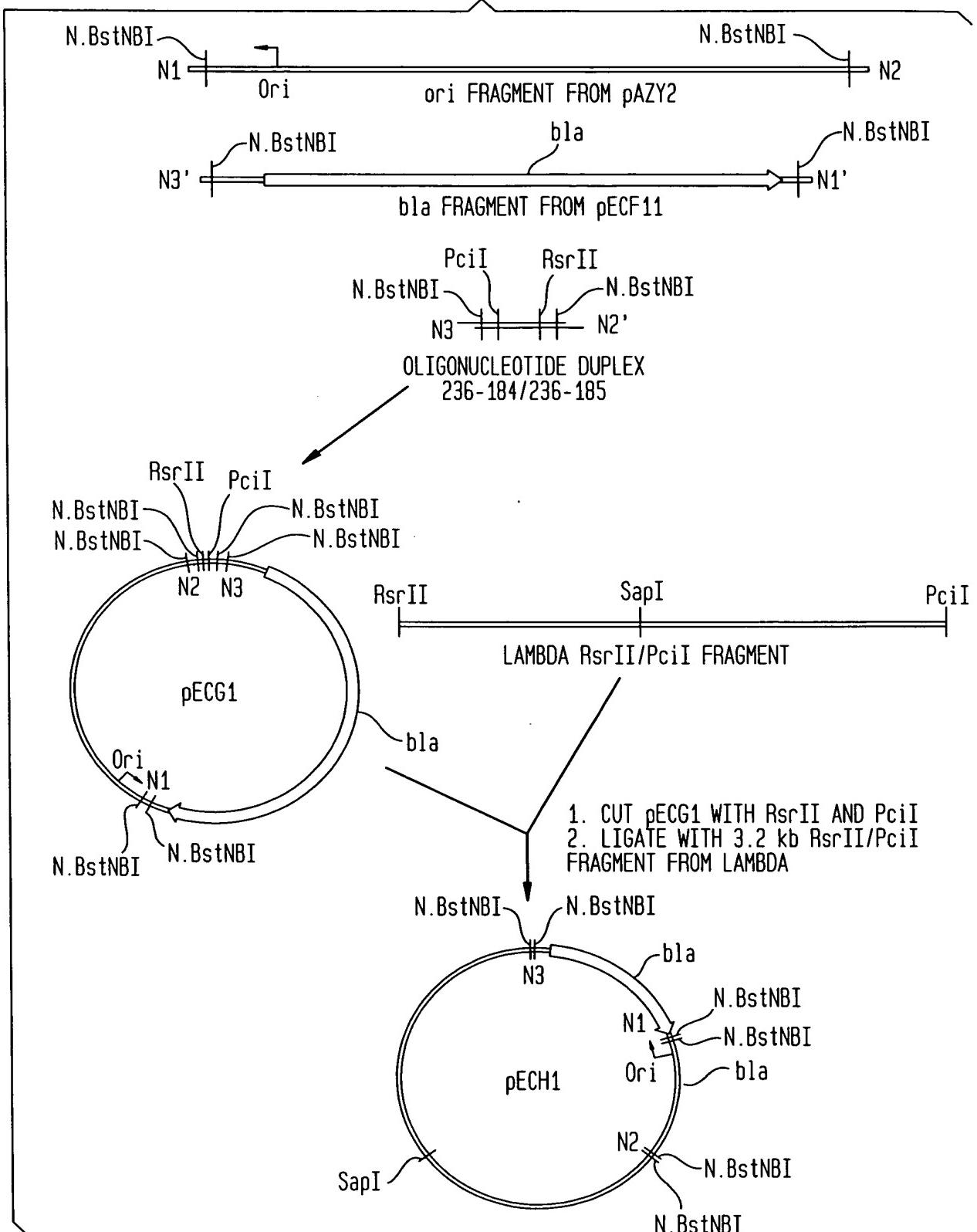
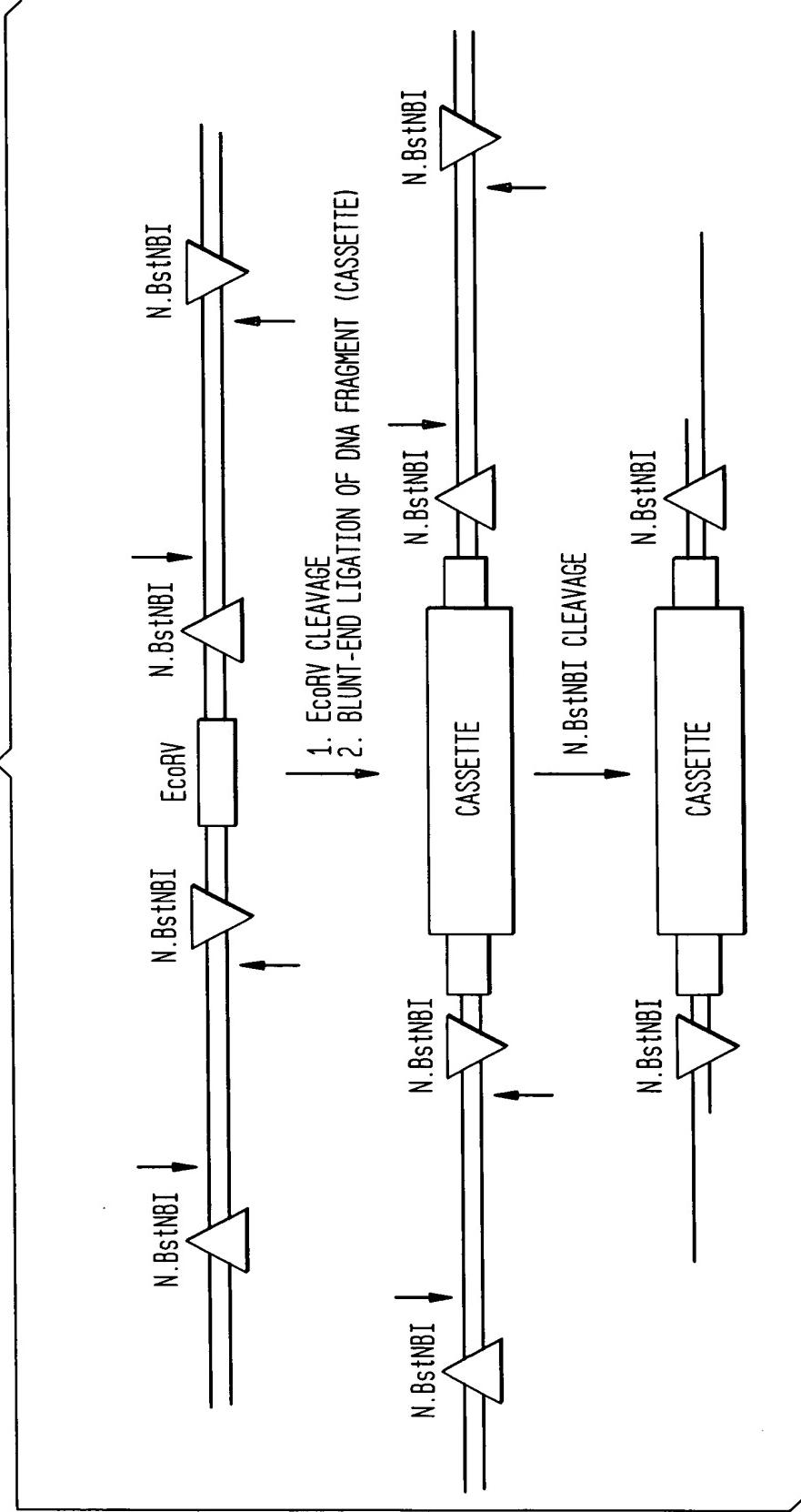


FIG. 7



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FIG. 8

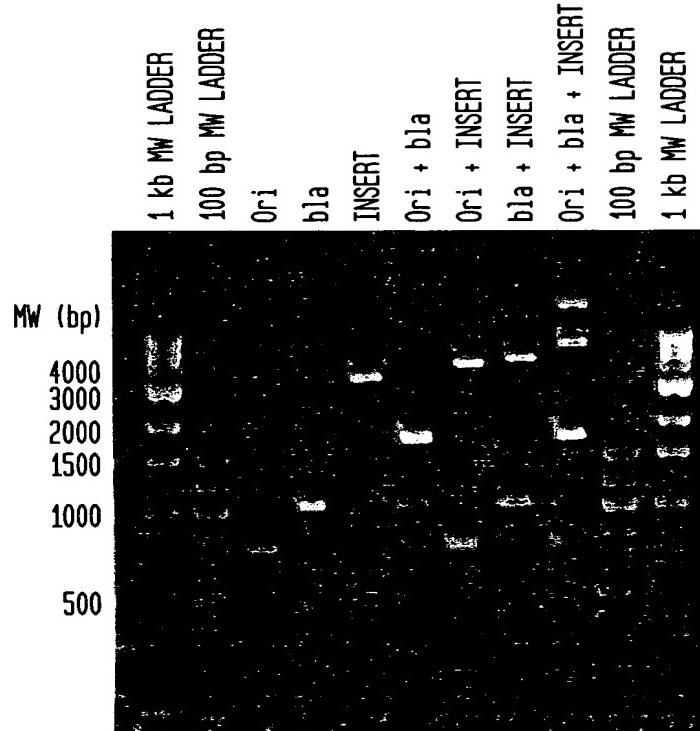
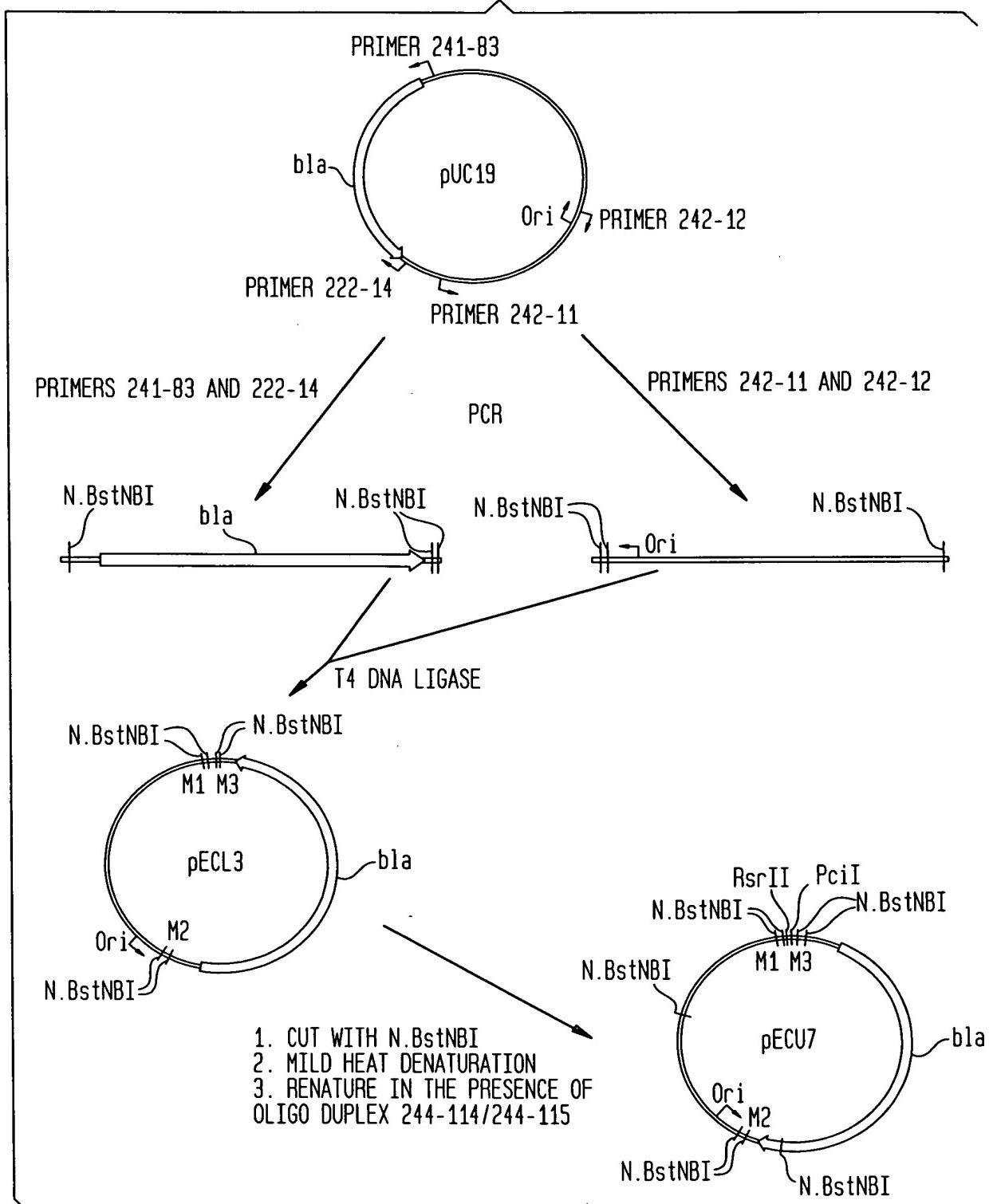


FIG. 9



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FIG. 10

